Research supporting SDG9 has grown since 2015, with a compound annual growth rate of 9.1% compared to nearly 3.5% for research in all fields. China produces the most research supporting SDG9, followed by the US, the United Kingdom, and India. Six of the 10 most prolific locations are high-income locations (accounting for more than 15,000 publications); two are upper-middle income locations (China and Malaysia) and two are lower-middle income locations (India and Indonesia). No low-income locations featured in the top 50.

The top five locations for which research on SDG9 represents the largest share of their research portfolio are Indonesia, Malaysia, Philippines, Kazakhstan and Nigeria.

International collaboration yielded 22% of research on SDG9. High income locations collaborated with low-income locations on 1% of their total SDG9 research, while nearly 52% of the related output from low income locations came from collaboration with high income locations.

As a measure of academic impact measured by citation, the field weighted citation impact (FWCI) for SDG9 research was above average every year, with an average of 1.2 over the period.

This analysis builds on Elsevier’s Sustainability Science in a Global Landscape report, which was released in 2015 to coincide with the launch of the SDGs. See a 2017 update on key findings on the RELX SDG Resource Centre. Help us to provide insight into SDG research. See the methodology and definitions.

**Top 10 locations by RAI** *(Relative Activity Index)*

- 39,114 Publications in period
- 59.6% Publications from high-income locations
- 9.1% Compound Annual Growth Rate in the period
- 2.4% Academic corporate collaboration
- 0.2% Field-Weighted Citation Impact
- 21.7% Publications with international collaboration
- 1.2
- 0.5
- 1
- 1.5
- 2

**Number of publications**

- 5,000+
- 2,500 to 4,999
- 1,000 to 2,499
- 500 to 999
- 100 to 499
- Fewer than 100

**Key themes in SDG9 Research**

- Urban Transportation
- Urban Planning
- Sustainable Manufacturing
- Traffic Management
- Micro-Enterprise
- Small and Medium businesses
- Traffic Congestion
- Innovation

**International collaboration between income groups by location**

- High Income Locations
- Upper Middle Income Locations
- Lower Middle Income Locations
- Low Income Locations

**International collaboration and research impact**

- Field-weighted citation impact
- Academic corporate collaboration

**Output, Impact, Collaboration**

**Top 10 locations by publication**

**Volume of publications supporting SDG9**

**Top 10 locations for corporate-academic collaboration**

*Relative Activity Index is a measure of the proportion of the country’s research output in the subject, relative to the proportion seen globally.

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